**Surface Area of 3D Shapes - Prisms**

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| **1)** Find the surface area of the cubehttp://www.mathster.com/course/simgs/146832234300_1.png       | [1]   |
| **2)** Find the surface area of the cuboidhttp://www.mathster.com/course/simgs/146832234300_2.png       | [1]   |
| **3)** Find the surface area of the triangular prismhttp://www.mathster.com/course/simgs/146832234300_3.png       | [1]   |
| **4)** Find the surface area of the cylinder, rounding your answer to 3 significant figureshttp://www.mathster.com/course/simgs/146832234300_4.png      | [1]   |
| **5)** A cube has sides of length 8 cm. Find its surface area.       | [1]   |
| **6)** A cube has a surface area of 6144  $cm^{2}$. Find its length.       | [1]   |
| **7)** A cuboid has length, width and height of 10 cm, 9 cm and 10 cm, respectively. Find its surface area.       | [1]   |
| **8)** A triangular prism has a length of 12 cm. Its cross-section is an equilateral triangle which has sides of length 2 cm. Find the surface area of the triangular prism, rounding your answer to 3 significant figures.       | [1]   |
| **9)** A solid cylinder has a radius of 4 cm and a length 5 cm. Find its surface area, rounding your answer to 3 significant figures       | [1]   |

**Solutions for the assessment Surface Area of 3D Shapes - Prisms**

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| **1)** Surface area = 1176  $cm^{2}$ | **2)** Surface area = 214  $cm^{2}$ |
| **3)** Surface area = 120  $cm^{2}$ | **4)** Surface area = 415  $cm^{2}$ |
| **5)** Surface area = 384  $cm^{2}$ | **6)** Length = 32 cm |
| **7)** Surface area = 560  $cm^{2}$ | **8)** Surface area = 75.5  $cm^{2}$ |
| **9)** Surface area = 226  $cm^{2}$ |  |